CURRICULUM VITAE
Sean P. MacEvoy

Department of Psychology and Neuroscience
Boston College
McGuinn Hall 503
140 Commonwealth Avenue
Chestnut Hill, MA 02467

(617) 552-4365 (office)

sean.macevoy.1@bc.edu

EDUCATION

9/98-7/03 Ph.D., Neuroscience, Brown University

9/93-5/97 Sc.B., *magna cum laude*, Neuroscience, Brown University

RESEARCH AND PROFESSIONAL POSITIONS

7/19- Senior Lecturer, Department of Psychology and Neuroscience, Boston College

7/14-6/19 Lecturer, Department of Psychology, Boston College

7/09-6/14 Assistant Professor, Department of Psychology, Boston College

9/09-12/11 Visiting Scientist, Massachusetts General Hospital, Department of Radiology, Athinoula A. Martinos Center for Biomedical Imaging

8/06-6/09 Postdoctoral Fellow, Center for Cognitive Neuroscience, University of Pennsylvania, Russell Epstein, mentor.

8/03-7/06 Postdoctoral Fellow, Department of Neurobiology, Duke University Medical Center, David Fitzpatrick, mentor

6/97-8/98 Research Assistant, Department of Neuroscience, Brown University

TEACHING

At Boston College

PSYC1120/1121: Introduction to Behavioral Statistics and Research Methods I & II

PSYC4474 Research Practicum in Sensory Psychology

PSYC2272 Cognitive Psychology

PS274/PSYC2274 Sensation and Perception

PS 378 Vision

PS574 Neuroscience of Sensation and Perception

PROFESSIONAL AND ACADEMIC SERVICE

To Boston College:

University Service

IRB chair, 2022-

CTE Learning Sciences cohort member, 2022-2023

Fulbright Fellowship interviewer, 2022-

Premajor advisor, 2017-

Summer orientation academic advisor, 2017-

IRB member, 2017-

Large-lecture COVID working group, 2020

Halftime Retreat "sweep", 2017, 2022

Excellence in Teaching Day "Innovative Grading" panelist, 2018

CTE Flipped Classroom cohort member, 2015-2016

Pre-med Committee member, 2010-2013

Department Service

Co-chair, Psychology Undergraduate Fellowship Committee, 2018-

Chair, Technological and Methodological Training Committee, 2018-

Assessment of Undergraduate Learning 2014-

Undergraduate Program 2014-

Quantitative Faculty Search Committee, 2010

Cognitive Neuroscience area contact, 2010-2013

Colloquium Committee Chair 2010-2013

Neuroscience Task Force 2009-2012

Goals Committee 2009-2012

Admissions Committee 2009-2010

Other:

Program committee member, 2014 Cosyne 2014

Ad hoc reviewer: *Journal of Neuroscience, Current Biology, Proceedings of the National Academy of Science, Cerebral Cortex, Neuroscience Letters, PLoS One, Neuropsychologia, Brain Research, NeuroImage, Vision Research*

PROFESSIONAL RECOGNITION

Illumination Award, Boston College Career Center

THESIS ADVISING

Graduate

Haley Fritch (secondary) 2018-

Drew Linsley 2011-2016

Undergraduate

Jessica Nardolillo 2015-2016

Jennifer Eosakul 2015-2016

Ryan Jones, 2013-2014

Daniel Kim, 2013-2014

Emilie Josephs, 2012-2013

Molly LaPoint, 2012-2013

Christopher Gagne, 2011-2012

THESIS COMMITTEES

Lauren Anderson

Jordan Theriault

Preston Thakral

Jaclyn Portelli

Kyle Tierney

PUBLICATIONS

(*undergraduate student, **graduate student, †research assistant)

Research articles *Citations*

Fritch, H.A.**, MacEvoy, S.P., Thakral, P.P., Jeye, B.B., Ross, R.S., Slotnick, S.D. (2020) The anterior hippocampus is associated with spatial memory encoding. Brain Research, 1732, 146696. 7

Jeye, B. M., **MacEvoy**, S.P., Karanian, J.M., & Slotnick, S.D. (2018) Distinct regions of the hippocampus are associated with memory for different spatial locations. *Brain Research,*1687:41-49. 13

Linsley, D.**, & **MacEvoy**, S.P. (2014) Evidence for participation by object-selective visual cortex in scene category judgments. *Journal of Vision,* 14:19. 15

Gagne, C.R.*, & **MacEvoy**, S.P. (2014) Do simultaneously-viewed objects influence scene recognition individually or as groups? Two perceptual studies. *PLoS One.* doi: 10.1371/journal.pone.0102819. 5

Linsley, D.**, & **MacEvoy**, S.P. (2014) Encoding-stage crosstalk between object- and spatial property-based scene processing pathways. *Cerebral Cortex.* doi: 10.1093/cercor/bhu034 14

MacEvoy, S.P. (2013) "What?" and "Where?" versus "What is Where?": The impact of task on coding of object form and position in the lateral occipital complex. *Journal of Vision*, 13(8):21. 4

MacEvoy, S.P. & Yang, Z.† (2012). Joint neuronal tuning for object form and position in the human lateral occipital complex. *NeuroImage*, 63:1901-1908 14

MacEvoy, S.P. & Epstein, R.A. (2011) Constructing scenes from objects in human occipitotemporal cortex. *Nature Neuroscience,* 14:1323-1329. 142

Morgan, L., **MacEvoy**, S.P., Aguirre, G.K. & Epstein, R.A. (2011). Distances between real-world locations are represented in the human hippocampus. *Journal of Neuroscience,* 31:1238-1245 190

Ward, E.J., **MacEvoy**, S.P. & Epstein, R.A. (2010). Eye-centered encoding of visual space in scene-selective regions. *Journal of Vision*, 10:6. 16

MacEvoy, S.P. & Epstein, R.A. (2009). Decoding the representation of multiple simultaneous objects in human occipitotemporal cortex. *Current Biology, 19*, 943-947. 116

MacEvoy, S. P., Tucker, T. R., & Fitzpatrick, D. (2009) A precise form of divisive normalization supports population coding in primary visual cortex. *Nature Neuroscience, 12*, 637-645. 67

MacEvoy, S. P., Hanks, T. D., & Paradiso, M. A. (2008) Macaque V1 activity during natural vision: effects of natural scenes and saccades. *Journal of Neurophysiology, 99,* 460-472. 62

MacEvoy, S. P. & Epstein, R. A. (2007). Position selectivity in scene- and object-responsive occipitotemporal regions. *Journal of Neurophysiology, 98*, 2089-2098. 85

Huang, X., **MacEvoy**, S. P., & Paradiso, M. A. (2002). Perception of brightness and brightness illusions in the macaque monkey. *Journal of Neuroscience, 22*, 9618-9625. 35

MacEvoy, S. P. & Paradiso, M. A. (2001). Lightness constancy in primary visual cortex. *Proceedings of the National Academy of Sciences, 98*, 8827-8831. 88

MacEvoy, S. P., Kim, W., & Paradiso, M. A. (1998). Integration of surface information in primary visual cortex. *Nature Neuroscience, 1*, 616-620. 81

Book chapters

Epstein, R.A., and **MacEvoy,** S.P. (2011) Making a scene in the brain. *Vision in 3D environments*; L Harris, M Jenkin (ed); Cambridge University Press, Cambridge, UK 9

Paradiso, M. A., Blau, S., Huang, X., **MacEvoy,** S. P., Rossi, A. F., & Shalev, G. (2006). Lightness, filling-in, and the fundamental role of context in visual perception. *Progress in Brain Research*, *155*, 109-123. 25

Paradiso, M. A., **MacEvoy**, S. P., Huang, X., & Blau, S. (2005). The importance of modulatory input for V1 activity and perception. *Progress in Brain Research, 149*, 257-267. 3

Commentaries

MacEvoy, S. P. & Fitzpatrick, D. (2006). Visual physiology: Perceived size looms large. *Current Biology, 9*, R330-332. 3

CONFERENCE ABSTRACTS
(*undergraduate student, **graduate student, †research assistant)

Fritch, H. A.**, **MacEvoy**, S.P., Jeye, B.M.**, & Slotnick, S.D. (2018) Distinct patterns of activity are associated with spatial memory encoding in the anterior, but not posterior,

hippocampus. *2018 Neuroscience Meeting Planner.* Washington, DC: Society for Neuroscience, 2018. Online.

Linsley, D.**, Madan C., & **MacEvoy** S.P. (2016) Objet and spatial layout crosstalk improves scene recognition accuracy. COSYNE annual meeting.

Linsley, D.**, & **MacEvoy**, S.P. (2015) Object-to-spatial property "crosstalk" improves scene recognition: A modeling study. *2015 Neuroscience Meeting Planner.* Washington, DC: Society for Neuroscience, 2015. Online.

Linsley, D.**, & **MacEvoy**, S.P. (2014) Functional connectivity between object- and space-encoding brain regions during scene viewing. *2014 Neuroscience Meeting Planner.* Washington, DC: Society for Neuroscience, 2014. Online.

Linsley, D.**, & **MacEvoy**, S.P. (2014) Functional crosstalk between object- and space-encoding brain regions during scene viewing. 4th Biennial Conference on Resting State Brain Connectivity

MacEvoy, S.P. & Linsley, D.** (2014) Categorical judgments of ambiguous scenes are controlled by neural activity in both LOC and PPA. Vision Sciences Society Annual Meeting

Linsley, D.**, & **MacEvoy**, S.P. (2014) Functional connectivity between object- and space-encoding brain regions during scene viewing. Vision Sciences Society Annual Meeting

Linsley, D.**, & **MacEvoy**, S.P. (2014) Direct evidence for dependence of scene category judgments on neural activity in Lateral Occipital Complex and Parahippocampal Place Area. Cognitive Neuroscience Society Annual Meeting.

Linsley, D.**, & **MacEvoy**, S.P. (2013) Convergence of object- and spatial property-based scene processing pathways in parahippocampal place area. *2013 Neuroscience Meeting Planner.* Washington, DC: Society for Neuroscience, 2013. Online.

Linsley, D.**, & **MacEvoy**, S.P. (2013) Convergence of object and scene layout information in parahippocampal cortex. [Vision Sciences Society Abstract].

MacEvoy, S. P. and Yang, Z†. (2012) Task demands and relational sensitivity in LOC. *2012 Neuroscience Meeting Planner.* Washington, DC: Society for Neuroscience, 2012. Online.

Linsley, D.**, & **MacEvoy**, S.P. (2012) Judgments of global scene properties are modified by diagnostic objects. *2012 Neuroscience Meeting Planner.* Washington, DC: Society for Neuroscience, 2012. Online.

Linsley, D.**, & **MacEvoy**, S.P. (2012) Evidence for perceptual convergence of object- and layout-based scene representations. [Vision Sciences Society Abstract].

MacEvoy, S. P. and Yang, Z†. (2011) Functional convergence of form and position information in human object-selective cortex. *2011 Neuroscience Meeting Planner.* Washington, DC: Society for Neuroscience, 2011. Online.

Stigliani, A., **MacEvoy**, S.P., & Epstein, R.A. (2011) Diagnostic objects facilitate scene recognition. [Vision Sciences Society Abstract].

MacEvoy, S.P. & Epstein, R. (2010). Neural construction of scenes from objects in human occipitotemporal cortex. *2010 Abstract Viewer/Itinerary Planner.* Washington, DC: Society for Neuroscience.

Morgan, L., **MacEvoy**, S.P., Aguirre, G.K., & Epstein, R.A. (2010) Adaptation for landmark identity and landmark location on a familiar college campus. [Vision Sciences Society Abstract]

MacEvoy, S.P., & Epstein, R.A. (2009) Building scenes from objects: A distributed pattern perspective. *2009 Neuroscience Meeting Planner.* Chicago, IL: Society for Neuroscience, 2009. Online.

Morgan, L.K., **MacEvoy**, S.P., Aguirre, G.K, & Epstein, R.A. (2009) Decoding scene categories and individual landmarks from cortical response patterns. *2009 Neuroscience Meeting Planner.* Chicago, IL: Society for Neuroscience, 2009. Online.

MacEvoy, S.P., & Epstein, R. (2009). The sum of its parts? Decoding the representation of multiple simultaneous stimuli objects in the human brain using fMRI [Vision Sciences Society Abstract]. *Journal of Vision*, *9*, 781.

MacEvoy, S.P., & Epstein, R.A. (2008) The sum of its parts? Decoding the representation of multiple simultaneous stimuli in human object-selective cortex. *2008 Abstract Viewer/Itinerary Planner,* Washington, DC: Society for Neuroscience.

MacEvoy, S. P. & Epstein, R.A. (2007). Position selectivity in scene- and object-responsive occipitotemporal regions. *2007 Abstract Viewer/Itinerary Planner.* Washington, DC: Society for Neuroscience.

MacEvoy, S. P., & Epstein, R. A. (2007). Position-invariant fMRI adaptation effects in scene-selective regions [Vision Sciences Society Abstract]. *Journal of Vision*, *7*, 1046.

MacEvoy, S. P., Tucker T. R., & Fitzpatrick, D. (2005). Temporal evolution of V1 intracellular responses to superimposed gratings. Program No. 285.12. *2005 Abstract Viewer/Itinerary Planner.* Washington, DC: Society for Neuroscience. Online.

MacEvoy, S. P., Tucker, T. R., & Fitzpatrick, D. (2005). Characterizing V1 population responses to superimposed gratings [Vision Sciences Society Abstract]. *Journal of Vision*, *5*, 429a.

MacEvoy, S. P., Tucker, T. R., & Fitzpatrick, D. (2004). Optical imaging of V1 population response to superimposed gratings. Program No. 986.17. *2004 Abstract Viewer/Itinerary Planner.* Washington, DC: Society for Neuroscience. Online.

MacEvoy, S. P., Hanks, T. D., & Paradiso, M. A. (2002). Responses of macaque V1 neurons with natural scenes and saccades. Program No. 622.4. *2002 Abstract Viewer/Itinerary Planner.* Washington, DC: Society for Neuroscience.

MacEvoy, S. P. & Paradiso, M. A. (1999). Neural correlates of lightness constancy in primary visual cortex [Association for Research in Vision and Ophthalmology Abstract]. *Investigative Ophthalmology and Visual Science, 40*, S372.

Huang, X., **MacEvoy,** S. P., & Paradiso, M. A. (1999). Brightness perception, induction, and White's Effect in the macaque monkey [Association for Research in Vision and Ophthalmology Abstract]. *Investigative Ophthalmology and Visual Science, 40*, S950.

MacEvoy, S. P., Hall, J. C., & Paradiso, M. A. (1998). Neural correlates of brightness constancy in primary visual cortex. *1998 Annual Meeting Abstracts.* Washington, DC: Society for Neuroscience.

PROFESSIONAL AFFILIATIONS

Society for Neuroscience, 2003-

Vision Sciences Society, 2004-

Association for Psychological Science, 2010-

Psychonomic Society, 2011-

Cognitive Neuroscience Society, 2011-

RESEARCH SUPPORT

As consultant

Elizabeth A. Kensinger, P.I.
How Emotion Affects Memory for Detail: Behavioral and Neuroimaging Investigations
National Institute of Mental Health (R01-MH080833)
07/01/2008-04/30/2017

Completed

Sean P. MacEvoy
Kirschstein-NRSA Individual Fellowship EY016319
National Eye Institute
2004-2006

Duke University Medical Center Department of Neurobiology
Postdoctoral Training Grant (T32)
2003-2004

Sean P. MacEvoy
Howard Hughes Medical Institute Predoctoral Fellowship
1999-2003

AWARDS

National Eye Institute Travel Fellowship, ARVO Annual Meeting (1999)

Dean's Fellowship, Brown University (1998-1999)

Undergraduate Award for Academic Excellence, Neuroscience Department, Brown University (1997)

Sigma Xi honor society (1997)

Hughes Undergraduate Research Fellowship (1996)